

SONNENSCHNEN, NATH & ROSENTHAL

8000 Sears Tower
233 S. Wacker Drive
Chicago, IL 60606
312/876-0200

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IN RE APPLICATION OF: Kazushi Wada

ATTY DOCKET NO.: 09792909-4799

SERIAL NO.: 09/822,647

GROUP ART UNIT: 2822

DATE FILED: March 30, 2001

EXAMINER: Ida Soward

INVENTION: "SOLID-STATE IMAGING DEVICE"

AMENDMENT "A"

Hon. Assistant Commissioner of Patents

Washington D.C. 2023

SIR:

Transmitted herewith is an amendment in the above-identified application.

Additional claim fee is required.

The fee has been calculated as shown below.

CLAIMS AS AMENDED						
	(2) CLAIMS REMAINING AFTER AMENDMENT		(4) HIGHEST NO. PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEE
TOTAL CLAIMS		MINUS		--	() X 9.00 () X 18.00	0.00
INDEP. CLAIMS		MINUS		--	() X 39.00 () X 80.00	0.00
Application amended to contain any multiple dependent claims not previously paid for.				() YES (X) NO	() \$135.00 () \$270.00 ONE TIME	
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00	

☒ Applicant petitions the Commissioner of Patents and Trademarks to extend this time for response to the Office Action dated January 9, 2002 for 3 months so that the period for response is extended to July 9, 2002.

☒ A check in the amount of \$920.00 is enclosed to cover the extension of time fee.

A check in the amount of \$ is attached to cover the additional claim fee.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or to credit any overpayment to account No. 19-3140. A duplicate of this sheet is enclosed.

When phoning re this application, please call 312/876-8000 - Ext. 2606.

SONNENSCHNEN NATH & ROSENTHAL

DATE: July 9, 2002BY Christopher P. Rauch (Reg. No. 45,034)
Christopher P. Rauch

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited as first class mail in an envelope addressed to Asst. Commissioner of Patents, Washington, D.C. 20231 on July 9, 2002.

Christopher P. Rauch
Christopher P. Rauch

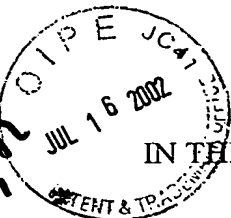
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

AMENDMENT "A"

APPLICANT(S): Kazushi Wada ATTORNEY DOCKET NO.: 09792909-4799
SERIAL NO.: 09/822,647 GROUP ART UNIT: 2822
DATE FILED: March 30, 2001 EXAMINER: Ida Soward
INVENTION: "SOLID-STATE IMAGING DEVICE"

Hon. Assistant Commissioner for Patents
Washington, DC 20231

S I R:

This Amendment "A" is filed in response to the Office Action of January 9, 2002. Please reconsider the application in view of the amendment and remarks presented below.

IN THE SPECIFICATION

Please replace the paragraph beginning at page 3, line 17, with the following replacement paragraph:

A1
--However, for a CCD solid-state imaging device of a type of giving a sensitivity in an ultraviolet region having a wavelength of, for example, 400 nm or less, since the device uses a protective film allowing ultraviolet rays to pass therethrough, the ultraviolet rays enter gates not shielded by a metal film, for example, an output gate and a reset gate. When ultraviolet rays enter an output gate and a reset gate, a threshold voltage V_{th} is shifted, to cause a problem that the transfer and reset of electric charges cannot be performed.--

Please replace the paragraph beginning at page 4, line 13, with the following replacement paragraph:

A2
--To achieve the above object, according to an aspect of the present invention, there is provided a solid-state imaging device having a gate structure including an oxide film and a nitride film, including: upper layer films allowing ultraviolet rays having a wavelength of 400 nm or less to pass therethrough; and a metal made shield film formed in such a manner as to cover a region of the gate structure including an oxide film and a nitride film, excluding a light receiving portion and a transfer portion, of the solid-state imaging device.--